



A Study on Effectiveness of Orientation Process at Sign Ware Technologies

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Abstract

The goal of every company's orientation programme should be to help new hires feel at home and ready to contribute as quickly as feasible. Fast and efficient results can be achieved by including this procedure into the organization's larger training plans and making sure it receives adequate attention and management. Human resource management (HRM) begins with the orientation of new hires. It includes introducing the new hires to the company's culture and their coworkers for the first time. This study, titled "A Study on Effectiveness of Orientation Process", attempts to understand the importance and the effectiveness of the orientation process in Sign Ware Technologies. The purpose of this study is to examine how employees at Sign Ware Technologies felt about the company's orientation programme. To further explore the connection between orientation input and perception of employee output, this research is also helpful. For this study, we use a questionnaire to gather information from participants. For the purpose of this research, 100 workers will serve as the sample. This project is statistically analysed using simple percentages, one-way ANOVA, and correlation. We suggest an orientation period of two to five days for new hires. During employee orientation, the first stop is always Human Resources, where

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the new hires are greeted by the designated host who shows them around the office and introduces them to everyone. Appropriate recommendations have been made to the management based on the other findings.

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Introduction

Paying for new employees and their education is a substantial expense for any business. Employers, therefore, need to maximise staff retention to ensure that this investment is not lost. Employees' first impressions of an organisation are often the most lasting, therefore it's crucial to establish a good first impression [1]. New hires are entitled to the most fundamental details about their employment and immediate surroundings. Regardless of one's field of expertise, it is common for workers to feel a need to understand their place within a larger organisation and the connections between their own tasks and those of others. They are also curious about getting to know their supervisors and coworkers [2-5]. All these aspects should be covered in an Orientation Scheme. Too often, however, there is no formal mechanism for making this happen. It's up to the recruits to "pick things up as they go" or to go through the standard handshake tour [6-12]. This is asking the new hire to be uninterested in the company, which decreases the likelihood that they will remain there long enough to have a significant impact. Employee turnover is also expensive. Furthermore, it exposes an intolerable waste of a company's most important assets: its people [13-19]. The Orientation Programme helps keep employees around longer by easing their transition into the company culture [20-23].

What occurs on a person's first day of work is memorable, regardless of the company's size. Therefore, it is important for all personnel to make recruits feel comfortable [24-27]. As part of a larger group or one-on-one, the HR department will go over the necessary documentation with a new hire before escorting them to their assigned department [24-29]. Bank information, Provident Fund, ESIC forms, etc., should be provided when the employee has completed the relevant documentation (Employee Handbook). Procedures for handling complaints and other forms of disciplinary action [30-34]. So that there are some recognisable faces in the Department the next day, new hires should be introduced to their coworkers. The assigned mentor should be a part of this as well. Keep in mind that the more information you provide a new hire on the first day, the less they will recall later [35-41]. During department orientation, new hires are given the tools they need to quickly become productive members of the team. Depending on the position, the departmental orientation session may be short or long in duration. The individual's direct manager or supervisor is responsible for briefing them on the Orientation schedule. They'll know what to expect and can come up with questions in advance, reducing the likelihood that they'll remember anything pertinent until after the fact [42-49]. Employment and biographical details are the focus here. These can be provided by both your direct supervisor or manager and your in-house training. Depending on their level of expertise, the on-the-job trainer's responsibilities may range from little to extensive [50-55].

The new hire should feel at home in the company within a week. Some people will have an easier time of it than others, and some could even leave because of issues they're having [56-59]. Therefore, it is important

to personally follow up with all new hires and address their worries and issues before they lead to a resignation. The next step, in writing During orientation, you can also share any additional information you see necessary. During the initial orientation session, it would be inappropriate to discuss, for instance, education and training facilities or transfer policies. After that amount of time, any new hire is bound to have questions and want to learn more about the company. Therefore, a trip to the company's corporate headquarters, head office, or any of its subsidiary enterprises may be in order [60-65]. Once a new hire accepts a position at your company, you will be notified via People & Management Development (PMD). Once this has occurred, PMD will initiate the first relocation procedure (if applicable), forward an orientation packet to the new employee and book them into a sign-on appointment on their first day at work. However, you should not forget that you play a part in this as well. Please follow the steps below to ensure a smooth transition once the new employee joins the team. The requirement to find funding for the orientation programme is highlighted by the checklist [66-71].

The impression a new hire forms of the company on their first day is often lasting. Therefore, it is crucial that the employee learns useful information and is made aware of available resources on this day. The following steps need to be taken and completed on or before the employee's first day of work. It is not prescriptive and can be modified to fit your requirements [72-77]. While the new employee waits to sign on, you or a delegate should brief them on the other necessities of the first day on the job. You could even have them visit ITMS so that their phones and computers are protected. While it's vital that everything on this list be accomplished, the order in which they're carried out is less critical. The following things are listed this way for your convenience only. Here is the orientation's first day's EXHIBIT of outlined procedures [78-84].

The specific needs of each new hire vary with the nature of the position being filled. Due to the differences between academic appointments, research appointments, and general (administrative) appointments, the following checklist elements have been split up accordingly. There may be occasions where a new employee is employed across various sectors. Therefore, feel free to utilise whatever lists that work best for you. You are free to add further steps if you think they are necessary [85-93]. While it's vital that everything on this list be accomplished, the order in which they're carried out is less critical. The following things are listed this way for your convenience only.

New hires form their impressions of the company based on what they accomplish on their first day. As a result, it's crucial that the employee learns useful information on this day and is made aware of the resources available to them during their career. The new hire must follow these procedures and fill out these forms on their first day. It's not prescriptive, so you can tweak it to meet your needs. While the new employee is waiting to sign on, you or a delegate should brief them on the other necessities of the first day. They could even go to ITMS to protect their computer and phone systems. Each of the steps below must be taken, but the order in which they are executed is less critical. The following has been arranged for convenience only. Below is the EXHIBIT outlining the first day's procedures for the orientation [94-101].

The needs of the company for each new hire will vary according to the position being filled. Appointments in the fields of academia, research, and administration have each been given their own distinct section below. A new hire may find themselves working in more than one industry [106-111]. Therefore, feel free to make use of any and all relevant lists. You are free to add to this list of activities if you determine that doing so is necessary. Each of the steps below must be taken, but the order in which they are executed is less critical. The following has been arranged for convenience only [112-117].

Web Development

Developing and maintaining a website is what we call "web design." It also includes things like colour theory, typography, icon design, and iconography in addition to information architecture and user interface. Designing encompasses a wide range of activities, including but not limited to sketching up a layout, drawing an icon, constructing a banner, and so on. For us, this is the most inspiring and fulfilling task we do. We all know that designing a website page requires the expertise of specialists, or a web development business. Companies of all stripes recognise that high-quality website design requires the expertise of skilled experts with at least two years' experience in the field, and therefore they shy away from embarking on such projects. When designing a website, it's important to bear in mind the needs of our client and the products or services they want to offer. Distinct types of websites are designed with different forms of logic, criteria and aims. It is 100 per cent definite that any form of website is not comparable to the other website designs or has article data or other types of data [118-123].

From the most basic web apps to comprehensive custom business solutions, our team can implement your ideas efficiently and affordably. The enterprise application is an ERP system with specialised features for use by different departments inside a company. We are a full-service web application development firm thanks to our proficiency in a wide variety of platform-specific programming tools. Low-priced, easy, and quick! Open-Source solutions are a low-cost alternative to proprietary software, and a skilled developer can create high-quality software with them. Because of their deep familiarity with open-source software, our experienced team of developers is able to create high-quality products that are also secure, safe, and efficient.

ERP/CRM Implementation

Any business system is going to need a methodical and well-planned approach to be successfully implemented. Our expert advisors will help you manage and incorporate your new business systems into your daily operations. Even though every organisation is aware of its assets and clientele, only a select handful have amassed a data warehouse large enough to provide a bird's-eye view of its operations. Optimisation of this information - channelling, defining, analysing and applying it is the key to improving organisational efficiency. Charterhouse strives to provide a bespoke and specialised service based on knowledge and market intelligence across our wide range of coverage. Our consulting teams dominate their respective industries. For the first time ever, a company in India is offering a programme called "Training in Recruitment skills" to university students. Sixty percent of all HR professions in India, according to a study done across the country, are primarily focused on the recruitment of new employees. The IT and telecom industries have experienced unprecedented expansion over the past decade, creating a high need for qualified MBA Human Resources graduates to fill open positions. Students leave with the skills and knowledge to implement world-class manpower staffing practises, as well as those endorsed by the relevant industry. In addition, the secrets of key recruitment techniques are also imparted with the young blossoming HR students. Students are provided an opportunity to practise recruitment in the actual world. The Top of Form practise sessions benefit greatly from the cutting-edge classroom facilities.

Review of Literature

Companies spend a lot of money on staff in the areas of orientation, training, development, maintenance, and retention. A variety of elements have been found effective in interpreting employee orientation programmes in the workplace, despite the lack of a universal framework for comprehending the employee satisfaction and training needs process as a whole [124].

Workforce optimisation: the business's success in optimising the performance of the workforce by building important processes for getting work done, providing good working conditions, establishing responsibility and making effective hiring choices would retain employees in their organisation. The company's orientation training emphasises the significance of learning about the aspects involved in employee recruitment, motivation, and retention [125].

Employees who have undergone an orientation training programme for their jobs or careers are more likely to report high levels of satisfaction with their work and their lives as a whole. Experts agree that mentoring is an important tool for improving teacher performance, but they argue that other factors should be considered when designing new employee orientation programmes [126].

The need for information among workers is high. Employees feel comfortable staying longer in positions where they are participating in some degree of the decision-making process, which was influenced by the success of the orientation training that was given to the employees of the business. In other words, workers should be aware of and responsive to the factors that shape their workplace climate and culture [127].

A person's level of attachment to and loyalty to their employer is a measure of their organisational commitment. Employees' levels of job participation can be thought of as a measure of how much they care about and focus on their work. Management may increase commitment and loyalty by enriching employees' employment and providing them with appropriate authority and training [128].

Employee empowerment has the potential to improve worker retention rates. Empowered workers in an organisation where managers have a larger staff to oversee and make more decisions at lower levels. When superiors give subordinates responsibility, the subordinates feel more invested in the company's success and are more likely to view their leaders as fair. As a result of all of these factors, workers are more invested in the company and less likely to quit [129].

Secondary Objectives

- Examining how workers felt about the orientation session.
- The goal is to establish a connection between orientation data and evaluations of staff performance.
- In order to provide feedback on how to enhance the orientation session.

Need of The Study

Human resource management (HRM) begins with the orientation of new hires. It entails introducing the new hires to the company's culture and their coworkers for the first time. The purpose of an organization's orientation programme is to socialise new employees so that they may become effective agents in furthering

the organization's goals. New hires need to be briefed on the company's norms and expectations. The goals of the organisation that an orientation or orientation programme is meant to serve.

- The goal is to boost the new hire's morale so they can do a good job for the company.
- Instill in new employees a sense of commitment to the company.
- To encourage a warm and friendly atmosphere among the staff.
- Educating them with a high-level summary of key technologies, methods of analysis and design, testing techniques, etc.
- Instruction in the organization's preferred programming practises.
- Companies today know how important it is to help their new hires settle in quickly and comfortably by providing them with comprehensive orientation and orientation training programmes.

Scope of The Study

A solid foundation for further education and growth is provided by an established and organised perspective. The time and money spent on hiring new employees could be saved. New hires may also be given the option of participating in formal orientation training designed to introduce them to the company and its culture. New hires receive training on the fundamentals they'll need to perform their duties. The new hires become acclimated to the group as a whole. The company can get the following benefits from the orientation process:

It helps people feel good about working for the company and learn about its history, values, mission, and objectives. This might demonstrate to the worker that the company is invested in his growth as an employee and in his ability to do his job well. Costs associated with hiring new employees can be reduced by providing them with a solid onboarding experience that encourages them to stay with the company for the long haul. can gain from the unique perspective, impartiality, and ideas of an employee hire. A new hire is a window into the company's external perception. Employees gain the following from the orientation process: Having a pleasant and relaxing experience (building relationships). It's official proof that the worker was set on joining the company. It's a great way to boost confidence, spirit, and drive. It helps the employee and his/her supervisor hit the ground running with open lines of communication. This helps the worker become acclimated to the company's culture, procedures, and policies.

Research Methodology

The methodology used in this study is described and defended in this section. Questions of research methodology, such as sampling, questionnaire construction, protocol, and data processing, are discussed. The research design is the plan for conducting the study, or the way in which the many parts of the study will be brought together to form a whole. Descriptive research was used for the employee welfare measures study. The research strategy employed for the study is the survey strategy [130-133]. The survey is the gathering of information from a specified group of people in order to examine some topic in depth. In this case, a questionnaire is distributed to participants in order to collect data. When a study's data needs are not met by existing secondary sources, primary data collecting becomes obligatory. Employee surveys and one-on-one interviews yield this information about the company's workforce and their perspectives on various issues. Data that has been obtained by sources other than the primary user is known as secondary data [134-139]. Censuses,

surveys, organisational records, and data gathered using qualitative approaches all fall into the category of secondary data used in academic studies. Convenience sampling was employed to acquire the data from the various respondents. Convenience sampling refers to the practise of selecting aspects of a population for inclusion in a sample based on their accessibility. The term "sample size" describes the proportion of the whole to be taken as a representation [140-144]. 100 responders working in the HR department were taken. Primary data is collected via a questionnaire that allows the population and sample size to be predetermined. Based on the data presented above, we can infer that 26% of respondents are between the ages of 31 and 40, 34% are aged 41 and up, and 40% fall somewhere in the "under 30" age bracket (Fig.1).

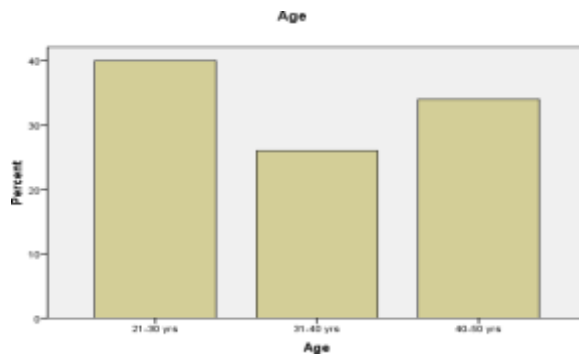


Figure 1: Age Group

From the above table, it is found that 84% of the respondents are male, and 16% of the respondents are female (Fig.2).

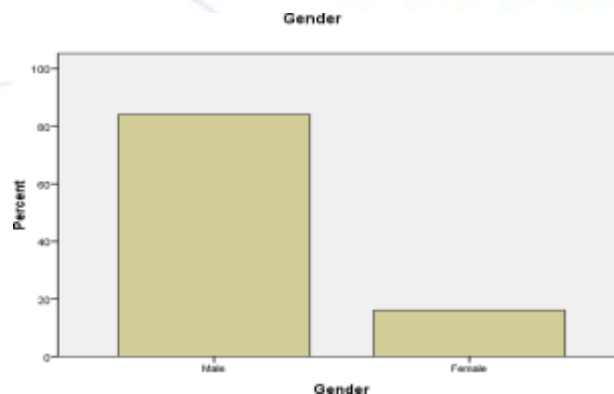


Figure 2: Gender

From the above table, it is found that 36% of the respondents have 2 to 5 years of experience, 60% of the respondents have 6 to – 10 years of experience, and 4% of the respondents have 11 to 15 years & above of experience (Fig.3).

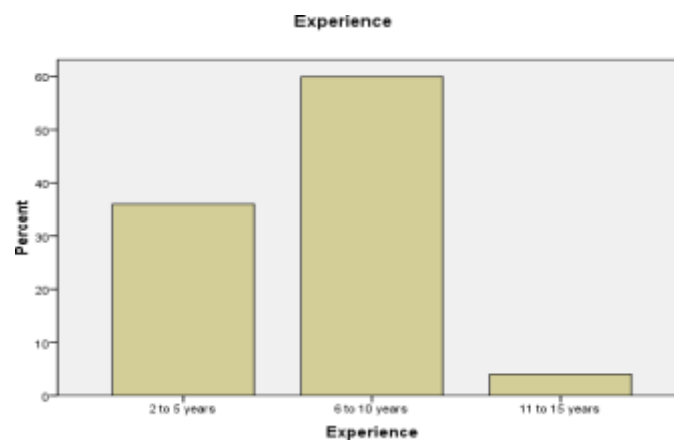


Figure 3: Experience

Correlation is a measure of the relationship between two variables and can be applied to quantitative variables. It also measures the closeness of the relationship between the variables or the association of any variables. Ranges from -1 to +1.

Analysis Using Karl Pearson's Correlation

A correlation analysis is a statistical method for determining the level of linear association between two variables. Correlation measures the degree of relationship between two variables.

Null hypothesis (Ho):

- Employee comments correlate positively with subsequent productivity gains.
- The alternative hypothesis (H1) is that improvements of employees are negatively related to employee feedback.
- The correlation coefficient between employee improvements and feedback from workers is positive ($r = 0.70$).

One-Way Anova Classification

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The numerical value of F exceeds the theoretical maximum. Therefore, we draw the conclusion that there is a statistically significant distinction between organisational performance and organisational obligation and reject the null hypothesis.

Findings

In this article, we offer the results of an evaluation of the Sign Ware Technologies orientation programme. The outcomes of the investigation were given in numerous segments. These include the use of averages and standard deviations as well as the more complex Chi-square test. Nearly half (40%) of the respondents are between the ages of 21 and 30, while 26% are between the ages of 31 and 40, and 34% are at least 41 years old. 84 percent of the respondents are male, and 16 percent of the respondents are female. 36% of respondents have experience between 2 and 5 years, 60% have experience between 6 and -10 years, and 4% have experience between 11 and 15 years. Respondents in the 21-30 age range had a mean age of 79.20 and a Standard Deviation of 8.60. The mean age of people in the 40-50 age bracket is higher than that of people in any other age bracket. Standard deviation for male responses is 7.19 points, with a mean of 79.57. Female respondents had an average score of 82.00 and a Standard Deviation of 5.87. The average score of the women who filled out the survey was greater than that of the men (82.00) [145-147].

In the group with 11-15 years of experience, the mean is 83.50 and the SD is 0.7071. In the group with 2-5 years of experience, the mean is 77.611, and the SD is 8.232. In the group with 11-15 years of experience, the average was higher at 83.50. Age and available training opportunities yield a Chi-square(x2) value of 15.541, with a significance level of .016 [148]. The correlation between age and educational possibilities is statistically insignificant ($p > .05$). The Chi-square(x2) value for age and communication styles is 12.584, and its significance value is .050. A p-value of less than .05 indicates independence between age and communication methods. Chi-square(x2) for gender and business knowledge is .066, with a significance level of .797. Since the p-value is greater than .05, we can say that there is no correlation between a person's gender and their knowledge of the business. For the correlation between gender and future vigour, the Chi-square(x2) value is 5.995 and the p-value for significance is .112. Since the p-value is larger than .05, we can say that there is no correlation between gender and future optimism [149-150].

For the topic of gender and future vigour, the Chi-square(x2) value is 9.489 and the significance value is .148. The p-value for independence between experience and educational opportunities is better than .05. The significance level for the correlation between gender and hope for the future is .237 (Chi-square(x2) = 8.011). The significant level indicates independence between experience and professional development ($p > .05$). There was a statistically significant correlation between the variables used to gauge worker happiness. Correlation coefficient values are listed in table 6.6 above. Since $r = 0.852$, there was a substantial relationship between different forms of communication and educational possibilities. As a result, it was deduced that training and professional advancement were strongly correlated. It was deduced that the level of satisfaction with training opportunities was inversely proportional to the effectiveness of respondents' communication strategies for advancing their careers.

Since $r = 0.001$, we may say that an outline of job responsibilities is marginally correlated with educational possibilities. Therefore, it was found that the variables of occupational positions and training opportunities had a slight positive association. AVGII has a significance value of .094. It was determined that there was no statistically significant difference in AVGII scores between age groups (p value $> .05$). Value of Significance for AVGEO was .420. It was determined that there was no statistically significant variation in AVGEO between the responses of people of different ages (p value $> .05$). The Significance Value of AVGII was .356. There was no statistically significant difference in AVGII scores between male and female respondents (p value $> .05$). The Sig. Value for AVGEO was .882. There was no statistically significant difference in the AVGEO between the sexes, since the significance value was more than .05.

The AVGII Statistical Significance Value was .510. Since the p-value was greater than .05, we can conclude that there was no statistically significant variation in AVGII scores amongst respondents with different levels of expertise. AVGEO has a significance value of .451. There was no statistically significant difference in the AVGEO between the younger and older respondents (p value > .05). In order to properly train new hires in the orientation programme and prepare them for the future growth of the organisation, top management must let the managers to know about the plans of the organisation. Workers should be allowed more leeway in how they go about their jobs and in contributing new and creative ideas to the company's next big endeavour. The training programme for new hires should be highly efficient and effective. It is important to recognise and reward employees for their contributions and hard work. I'd like to urge that the human resources department allow for an additional 15–20 days of training for new hires so that everyone may feel comfortable jumping into their jobs with both feet.

Conclusion

Providing new employees with orientation training is crucial for every business, as it encourages and supports their development as employees. This gives the person the self-assurance they need to move up the ranks. During Orientation, a new hire will learn about the company's mission, values, culture, and important business procedures, as well as the employee's rights and responsibilities as an employee. Orientation for new employees should last multiple days, preferably between two and five. During employee orientation, the first stop is always Human Resources, where the new hires are greeted by the designated host who shows them around the office and introduces them to everyone. During employee orientation, this HR representative will not spend all of their time following new hires from one department to the next, but they will be available if needed. Since the Employee Orientation program's schedule is tailored specifically for each role, it is not required to go over procedures in every division. This is due to a number of factors, the primary one being that it would take too long to meet with each employee at Employee Orientation. Second, the new employee would be overwhelmed by the sheer volume of information if they were to visit each and every employee in the organisation. It's a good idea to have a standard orientation schedule for new employees ready to go per role and per division. This schedule can be tweaked somewhat as needed, but as is, it serves as a powerful resource that shortens Orientation and makes it easier for everyone involved.

It appears that attrition rates can be lowered by the use of orientation programmes. The way you treat new employees in their initial days on the job can have a significant impact on how they perform in subsequent roles with the company. Employees who felt their orientation was above average were more invested in their work than those who felt it was below average. If the Orientation is not delivered with enthusiasm, employees may begin to consider leaving the company before long. To sum up, an effective orientation lays the groundwork for a positive work experience. This part of the hiring process is essential. Organization-wide orientation programmes need to be performed methodically and consistently. The optimal method of orientation is a highly organised one.

References

1. H. Lakhani, D. Undaviya, H. Dave, S. Degadwala, and D. Vyas, "PET-MRI Sequence Fusion using Convolution Neural Network," in 2023 International Conference on Inventive Computation Technologies (ICICT), 2023, pp. 317–321. doi: 10.1109/ICICT57646.2023.10134462.
2. F. Ahamad, D. K. Lobiyal, S. Degadwala, and D. Vyas, "Inspecting and Finding Faults in Railway Tracks Using Wireless Sensor Networks," in 2023 International Conference on Inventive Computation Technologies (ICICT), 2023, pp. 1241–1245. doi: 10.1109/ICICT57646.2023.10134164.
3. D. Rathod, K. Patel, A. J. Goswami, S. Degadwala, and D. Vyas, "Exploring Drug Sentiment Analysis with Machine Learning Techniques," in 2023 International Conference on Inventive Computation Technologies (ICICT), 2023, pp. 9–12. doi: 10.1109/ICICT57646.2023.10134055.
4. C. H. Patel, D. Undaviya, H. Dave, S. Degadwala, and D. Vyas, "EfficientNetB0 for Brain Stroke Classification on Computed Tomography Scan," in 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), 2023, pp. 713–718. doi: 10.1109/ICAAIC56838.2023.10141195.
5. V. Desai, S. Degadwala, and D. Vyas, "Multi-Categories Vehicle Detection For Urban Traffic Management," in 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), 2023, pp. 1486–1490. doi: 10.1109/ICEARS56392.2023.10085376.
6. Sameer Shukla, "Unlocking the Power of Data: An Introduction to Data Analysis in Healthcare," International Journal of Computer Sciences and Engineering, Vol.11, Issue.3, pp.1-9, 2023.
7. Sameer Shukla, "Developing Pragmatic Data Pipelines using Apache Airflow on Google Cloud Platform," International Journal of Computer Sciences and Engineering, Vol.10, Issue.8, pp.1-8, 2022.
8. S. Shukla, "Exploring the Power of Apache Kafka: A Comprehensive Study of Use Cases suggest topics to cover," International Journal of Latest Engineering and Management Research (IJLEMR), vol. 8, pp. 71–78, Mar. 2023.
9. S. Shukla, "Enhancing Healthcare Insights, Exploring Diverse Use-Cases with K-means Clustering," International Journal of Management IT and Engineering, vol. 13, pp. 60–68, Aug. 2023.
10. S. Shukla, "Real-time Monitoring and Predictive Analytics in Healthcare: Harnessing the Power of Data Streaming," International Journal of Computer Applications, vol. 185, pp. 32–37, May 2023.
11. S. Shukla, "Streamlining Integration Testing with Test Containers: Addressing Limitations and Best Practices for Implementation," International Journal of Latest Engineering and Management Research, vol. 9, pp. 19–26, Mar. 2023.
12. Sameer Shukla, "Examining Cassandra Constraints: Pragmatic Eyes," International Journal of Management, IT & Engineering, vol. 9, no. 3, pp. 267-287, 2019.
13. Sameer Shukla "Data Visualization with Python Pragmatic Eyes" International Journal of Computer Trends and Technology 67.2 (2019): 12-16.
14. Sameer Shukla, "Debugging Microservices with Pandas, PySpark using Actuators and Logs at Runtime," International Journal of Computer Sciences and Engineering, Vol.10, Issue.7, pp.27-30, 2022.
15. M. M. Kirmani and A. Wahid, "Revised use case point (re-UCP) model for software effort estimation," International Journal of Advanced Computer Science and Applications, vol. 6, no. 3,

- 2015.
16. T. Kalpana and K. P. Naachimuthu, "Students' Engagement with PUBG - A Phenomenological Study," *Journal of Community Guidance & Research*, vol. 37, no. 2, pp. 321-340.
17. A. A. R. Aishvarya, S. Devishree, and K. P. Naachimuthu, "Gratitude, Forgiveness, & Humility as Predictors of Thriving Among College Students," *Psychology and Education*, vol. 58, no. 3, pp. 3841-3850, 2021.
18. S. Gaanapriya, K. P. Naachimuthu, T. Sarumathi, and R. Shwetha, "End of Life Signs: Perspectives of Family Members of the Deceased," *Turkish Online Journal of Qualitative Inquiry*, vol. 12, no. 7, pp. 1668–1682, 2021.
19. T. Kalpana and K. P. Naachimuthu, "Graded Exposure and Use of Thiruppugazh for Stuttering – A Case Study," *Indian Journal of Positive Psychology*, vol. 13, no. 1, pp. 23-30, 2022.
20. N. Savya, A. S. Guru Prapanna Sri, and K. P. Naachimuthu, "COVID-19 Lockdown on Quiet Ego and Imposter Syndrome," *Indian Journal of Health and Well-being*, vol. 13, no. 1, pp. 35-42, 2022.
21. V. P. Neeraja and K. P. Naachimuthu, "Effect of Yoga Nidra on Quality of Sleep Among Young Female Adults During COVID-19 Pandemic," *Indian Journal of Health and Well-being*, vol. 13, no. 1, pp. 48-52, 2022.
22. K. P. Naachimuthu, S. Ganga, and P. M. Mathiyoli, "Psychosocial Impact of COVID-19 Lockdown," *IAHRW International Journal of Social Sciences Review*, vol. 10, no. 1, pp. 52-59, 2022.
23. A. Akshaya and K. P. Naachimuthu, "Locavorism to Enhance Environmental, Social, & Economic Well-being," *Indian Journal of Agriculture Business*, vol. 8, no. 1, pp. 25-33, 2022.
24. F. Shifana and K. P. Naachimuthu, "Elements of Holistic Human Development in Naanmanikkadigai: A Hermeneutic Study," *Journal of Positive School Psychology*, vol. 6, no. 4, pp. 2218-2231, 2022.
25. G. Nagarajan and K. P. Naachimuthu, "Positive Emotions and Experiences of Trans Men and Trans Women – A Grounded Theory Approach," *International Journal of Early Childhood Special Education*, vol. 14, no. 2, pp. 6430-6447.
26. V. Sudheer and K. P. Naachimuthu, "Effect of JPMR on State-Trait Anxiety Among Young Female Adults During COVID-19 Pandemic Lockdown," *International Journal of Health Sciences*, vol. 6, no. 55, pp. 1192–1202, 2022.
27. M. Hana, S. Vishnupriya, and K. P. Naachimuthu, "Restorative Effect of Direct and Indirect Nature Exposure – A Systematic Review," *International Journal of Scientific Research*, vol. 11, no. 5, pp. 10-15, 2022.
28. G. P. Sri, J. Jayapriya, T. Poornima, and K. P. Naachimuthu, "Hermeneutics of Iniyavai Naarpadhu and Inna Naarpadhu," *Journal of Positive School Psychology*, vol. 6, no. 8, pp. 4358-4368, 2022.
29. N. Savya and K. P. Naachimuthu, "Psychosocial Determinants of Name Dropping: A Conceptual Framework," *Madhya Bharti - Humanities and Social Sciences*, vol. 83, no. 14, pp. 1-12, 2022.
30. D. Madhumitha and K. P. Naachimuthu, "Emotional Regulation among the Members of LGBTQ+ Community," *Education and Society*, vol. 47, no. 2, pp. 34-45, 2023.
31. M. Hana and K. P. Naachimuthu, "A Comprehensive Model on Rejection Sensitivity," *South India Journal of Social Sciences*, vol. 21, no. 19, pp. 19-31, 2023.
32. P. Padmapriya and K. P. Naachimuthu, "Social and Philosophical Construction of Emotions in Bhagavad Gita & Plutchik Wheel of Emotions," *Journal of the Asiatic Society of Mumbai*, vol. XCVI, no. 27, pp. 22-36, 2023.
33. A. Anil Kumar and K. P. Naachimuthu, "Market Potential for Shawarma Outlet in Coimbatore –

- An Analysis," South India Journal of Social Sciences, vol. XXI, no. 1, pp. 130-140, 2023.
34. P. Aswathi, P. Sangavi, K. P. Naachimuthu, and T. Ragull Krishna, "A Systematic Review on Eco-anxiety," in Proceedings of the ICSSR Sponsored Webinar on Human Behavior and Environmental Sustainability, pp. 1-12, 2021.
 35. Udofia C. A. (2018). Utilitarianism and Deontology As Moral Cynosures for Leadership: An Examination. International Journal of Integrative Humanism. Vol. 10(1).
 36. Udofia, C. A. (2019). Leadership Cynosurism and Kant's Imperative. International Journal of Politics and Good Governance. Vol.10(10), 31-38.
 37. Udofia, C. A. (2020). Leadership and National Development. International Journal of Research and Innovation in Science. Vol. 4, 69-81.
 38. Udofia, C. A. (2020). The Charms and Perils of Information and Communication Technology. International Journal of Creative Research Thought. Vol. 8(2),266-272.
 39. N. S. Priyadarshini and K. P. Naachimuthu, "Ancient and Modern Conception to Virtues: Comparing Naaladiyar and Positive Psychology," in International Conference on Multi Facets of Sacred Literature, pp. 1-12, 2020.
 40. M. M. Kirmani and A. Wahid, "Impact of modification made in re-UCP on software effort estimation," Journal of Software Engineering and Applications, vol. 08, no. 06, pp. 276–289, 2015.
 41. Syed Immamul Ansarullah, Syed Mohsin Saif, Syed Abdul Basit Andrabi, Sajadul Hassan Kumhar, Mudasir M. Kirmani, Dr. Pradeep Kumar, "An Intelligent and Reliable Hyperparameter Optimization Machine Learning Model for Early Heart Disease Assessment Using Imperative Risk Attributes", Journal of Healthcare Engineering, vol. 2022, Article ID 9882288, 12 pages, 2022. <https://doi.org/10.1155/2022/9882288>
 42. Syed Immamul Ansarullah, Syed Mohsin Saif, Pradeep Kumar, Mudasir Manzoor Kirmani, "Significance of Visible Non-Invasive Risk Attributes for the Initial Prediction of Heart Disease Using Different Machine Learning Techniques", Computational Intelligence and Neuroscience, vol. 2022, Article ID 9580896, 12 pages, 2022. <https://doi.org/10.1155/2022/9580896>
 43. K. Venkata Ramana and K. Venugopal Rao, "Investigation of source code mining using novel code mining parameter matrix: Recent state of art," International Journal of Latest Trends in Engineering and Technology, vol. 7, no. 3, 2016.
 44. K. Venkata Ramana and Dr. K. Venugopla Rao, "A novel automatic source code defects detection framework and evaluation on popular java open source APIs," International Journal of Advanced Research in Computer Science, vol. 8, no. 5, pp. 1741–1746, 2017.
 45. K. Venkata Ramana and K. Venugopala Rao, "An evaluation of popular code mining frameworks through severity based defect rule," International Journal of Emerging Technology and Advanced Engineering, Vol.7, No.6, PP.375-380.
 46. K. Venkata Ramana and Dr. K. Venugopal Rao, "A severity based source code defect finding framework and improvements over methods," International Journal of Applied Engineering Research Vol.7, No.3, PP.15202-15214.
 47. J. Aswini, B. Yamini, K. Venkata Ramana, and J. Jegan Amarnath, "An efficient liver disease prediction using mask-regional convolutional neural network and pelican optimization algorithm," IETE J. Res., pp. 1–12, 2023.
 48. K. V. Ramana, A. Muralidhar, B. C. Balusa, M. Bhavsingh, and S. Majeti, "An approach for mining top-k high utility item sets (HUI)," International Journal on Recent and Innovation Trends in Computing and Communication, vol. 11, no. 2s, pp. 198–203, 2023.
 49. B. Yamini, V. Ramana Kaneti, M. Nalini, and S. Subramanian, "Machine Learning-driven PCOS

- prediction for early detection and tailored interventions”, SSRG International Journal of Electrical and Electronics Engineering, Volume 10, Issue No 9, PP 61-75.
50. Venkata Ramana K., Hemanth Kumar Yadav G., Hussain Basha P., Lankoji Venkata Sambasivarao, Balarama Krishna Rao Y.V., M.Bhavsingh, “Secure and Efficient Energy Trading using Homomorphic Encryption on the Green Trade Platform”, International Journal of Intelligent Systems and Applications in Engineering, VOL. 12 NO. 1S (2024), PP 345-360.
 51. R. Siva Subramanian; K. Sudha; K.Venkata Ramana; S. SivaKumar; R. Nithyanandhan, and M. Nalini, “Hybrid Variable Selection Approach to Analyse High Dimensional Dataset”, 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), PP.1489–1495, 2023.
 52. K. Venkata Ramana, C Sowtharya, K Jithesh, Poli Lokeshwara Reddy, M C Apoorva, and Ashok Kumar, “DWT Algorithm for Macro & Micro Block based Multiple Histogram Shifting for Video Data Hiding”, 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), PP. 1121-1127, February 2023.
 53. K. Venkata Ramana, Yuvasri. B, Sultanuddin Sj, P. Ponsudha, Sowmya Pd; A. Visva Sangeetha, “Applying Cost-Sensitive Learning Methods to Improve Extremely Unbalanced Big Data Problems Using Random Forest”, 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), 04 August 2023, Publisher: IEEE.
 54. K. Venkata Ramana, S. Arulkumar, Asmita Marathe, Kedir Beshir, V Jaiganesh, K. Tamilselvi, and M. Sudhakar, “Design and Implementation of Renewable Energy Applications Based Bi-Directional Buck-Boost Converter”, 2023 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM), 10 May 2023, Publisher: IEEE
 55. F. Mary Harin Fernandez, I. S. Hephzi Punithavathi, T. Venkata Ramana and K. Venkata Ramana “Semantic-Based Feature Extraction and Feature Selection in Digital Library User Behaviour Dataset”, Part of the Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 141), 5th International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2022).
 56. Maashi, M., Alamro, H., Mohsen, H, Negm, N., Mohammed, G., Ahmed, N., Ibrahim, S. and Alsaid, M. Modelling of Reptile Search Algorithm with Deep Learning Approach for Copy Move Image Forgery Detection (2023), IEEE Access.
 57. Maashi, M, Al-Hagery, M., Rizwanullah, M & Osman, A., (2023) (Automated Gesture Recognition Using African Vulture Optimization with Deep Learning for Visually Impaired People on Sensory Modality Data, Journal of Disability Research, 1-12.
 58. Maashi, M., Ali, Y., Motwakel, A., Aziz, A., Hamza, A. and Abdelmageed, A. (2023) Anas Platyrhynchos Optimizer with Deep Transfer Learning based Gastric Cancer Classification on Endoscopic Images, Electronic Research Archive, 31(6) 3200-3217. doi: 10.3934/era.2023162
 59. Alshareef, H, and Maashi. M, (2022). Application of Multi-Objective Hyper-Heuristics to Solve the Multi-Objective Software Module Clustering Problem, Applied Sciences, 12(1).5649.
 60. Maashi, M. (2022). A Comprehensive Review of Software Testing Methodologies Based on Search-based Software Engineering, Webology ,19(2) 5716- 5728.
 61. Ben Zayed, H, and Maashi, M. (2021) Optimizing the Software Testing Problem Using Search-Based Software Engineering Techniques, Intelligent Automation & Soft Computing .29(1),307-317.
 62. Albalawi. F., and Maashi, M. (2021) A Methodology for Selection and Optimization the Software Development Life Cycles based on Genetic Algorithm, Intelligent Automation & Soft Computing.

- ,28(1), 39-52.
63. Maashi, M., Almanea, G., Alqurashi, R., Alharbi, N., Alharkan, R., Alsadhan, F. (2019) A greedy linear heuristic to solve Group-Project allocation problem: A case study at SWE-KSU". International Conference on Communication, Management and Information Technology- ICCMIT'19, Vienna, Austria, March.
 64. Maashi, M., Kendall, G., and Özcan, E. (2015). Choice function based hyper-heuristics for multi-objective optimization, *Applied Soft Computing*, 28, 312-326.
 65. Maashi, M., Özcan, E. and Kendall, G. (2014). "A multi-objective hyper-heuristic based on choice function", *Expert Systems with Applications*, 41(9) 4475-4493.
 66. K. Peddireddy, "Streamlining Enterprise Data Processing, Reporting and Realtime Alerting using Apache Kafka," 2023 11th International Symposium on Digital Forensics and Security (ISDFS), Chattanooga, TN, USA, 2023, pp. 1-4, doi: 10.1109/ISDFS58141.2023.10131800.
 67. Kiran Peddireddy. Kafka-based Architecture in Building Data Lakes for Real-time Data Streams. *International Journal of Computer Applications* 185(9):1-3, May 2023.
 68. Anitha Peddireddy, Kiran Peddireddy, "Next-Gen CRM Sales and Lead Generation with AI," *International Journal of Computer Trends and Technology*, vol. 71, no. 3, pp. 21-26, 2023.
 69. Peddireddy, K., and D. Banga. "Enhancing Customer Experience through Kafka Data Steams for Driven Machine Learning for Complaint Management." *International Journal of Computer Trends and Technology* 71.3 (2023): 7-13.
 70. K Peddireddy "Effective Usage of Machine Learning in Aero Engine test data using IoT based data driven predictive analysis ", *IJARCCCE International Journal of Advanced Research in Computer and Communication Engineering*, vol. 12, no. 10, pp. 18-25, 2023.
 71. S. Rangineni and D. Marupaka, "Data Mining Techniques Appropriate for the Evaluation of Procedure Information," *International Journal of Management, IT & Engineering*, vol. 13, no. 9, pp. 12–25, Sep. 2023.
 72. S. Rangineni, "An Analysis of Data Quality Requirements for Machine Learning Development Pipelines Frameworks," *International Journal of Computer Trends and Technology*, vol. 71, no. 9, pp. 16–27, 2023.
 73. S. Agarwal, "Unleashing the Power of Data: Enhancing Physician Outreach through Machine Learning," *International Research Journal of Engineering and Technology*, vol. 10, no. 8, pp. 717–725, Aug. 2023.
 74. S. Agarwal, "An Intelligent Machine Learning Approach for Fraud Detection in Medical Claim Insurance: A Comprehensive Study," *Scholars Journal of Engineering and Technology*, vol. 11, no. 9, pp. 191–200, Sep. 2023.
 75. Bhanushali, K. Sivagnanam, K. Singh, B. K. Mittapally, L. T. Reddi, and P. Bhanushali, "Analysis of Breast Cancer Prediction Using Multiple Machine Learning Methodologies", *Int J Intell Syst Appl Eng*, vol. 11, no. 3, pp. 1077–1084, Jul. 2023.
 76. S. Parate, H. P. Josyula, and L. T. Reddi, "Digital Identity Verification: Transforming Kyc Processes In Banking Through Advanced Technology And Enhanced Security Measures," *International Research Journal of Modernization in Engineering Technology and Science*, vol. 5, no. 9, pp. 128–137, Sep. 2023.
 77. K. Peddireddy and D. Banga, "Enhancing Customer Experience through Kafka Data Steams for Driven Machine Learning for Complaint Management," *International Journal of Computer Trends and Technology*, vol. 71, no. 3, pp. 7-13, 2023.
 78. K. Peddireddy, "Kafka-based Architecture in Building Data Lakes for Real-time Data Streams,"

- International Journal of Computer Applications, vol. 185, no. 9, pp. 1-3, May 2023.
79. R. Kandepu, "IBM FileNet P8: Evolving Traditional ECM Workflows with AI and Intelligent Automation," International Journal of Innovative Analyses and Emerging Technology, vol. 3, no. 9, pp. 23–30, Sep. 2023.
 80. Pandit, Prasasti. (2021). On the Context of Benevolence: The Significance of Emotion in Moral Philosophy. Interdisciplinary Description of Complex Systems, Vol. 19, no. 1. pp.47-63.
 81. Pandit, Prasasti. (2023). On the Context of the Principle of Beneficence: The Problem of Over Demandingness within Utilitarian Theory. FMDB Transactions on Sustainable Social Sciences Letters. Vol. 1, issue 1, pp.26-42.
 82. R. Kandepu, "Leveraging FileNet Technology for Enhanced Efficiency and Security in Banking and Insurance Applications and its future with Artificial Intelligence (AI) and Machine Learning," International Journal of Advanced Research in Computer and Communication Engineering, vol. 12, no. 8, pp. 20–26, Aug. 2023.
 83. A. B. Naeem, B. Senapati, M. S. Islam Sudman, K. Bashir, and A. E. M. Ahmed, "Intelligent road management system for autonomous, non-autonomous, and VIP vehicles," World Electric Veh. J., vol. 14, no. 9, p. 238, 2023.
 84. Udofia, C. A. (2011)World-view Dependence of Metaphysics, knowledge, Truth and Logic: A Proposal for Complementary Harmonism as a Framework for Cultural Dialogue. Integrative Humanism Journal: Department of Classics and Philosophy, University of Cape Coast, Ghana. Vol. 1, No. 2.42-48.
 85. Udofia, C. A. (2012). Truth: The Paradox of Believable Lie and Unbelievable Truth. Research on Humanities and Social Sciences. Vol.2, No. 8. Index Copernicus (Poland) 124-126.
 86. Udofia, C. A. (2015). Reforming Education in Africa: The Liberative Pedagogy Perspective. British Journal of Education, Society and Behavioural Science. Vol.6, No. 1.71-77.
 87. Udofia, C. A. (2017). Leadership in the Health Sector: A discourse of the Leadership Model of Utilitarianism. Online Journal of Health Ethics. 13(1).
 88. Udofia, C. A. (2018). Berkeley: Empiricist of Rationalist? -A Disquisition. Journal of Education, Society and Behavioural Science. Article No. JESBS. 19804. 1-8.
 89. A. M. Soomro et al., "Constructor development: Predicting object communication errors," in 2023 IEEE International Conference on Emerging Trends in Engineering, Sciences and Technology (ICES&T), 2023.
 90. A. M. Soomro et al., "In MANET: An improved hybrid routing approach for disaster management," in 2023 IEEE International Conference on Emerging Trends in Engineering, Sciences and Technology (ICES&T), 2023.
 91. B. Senapati, J. R. Talburt, A. Bin Naeem, and V. J. R. Batthula, "Transfer learning based models for food detection using ResNet-50," in 2023 IEEE International Conference on Electro Information Technology (eIT), 2023.
 92. B. Senapati and B. S. Rawal, "Quantum communication with RLP quantum resistant cryptography in industrial manufacturing," Cyber Security and Applications, vol. 1, no. 100019, p. 100019, 2023.
 93. B. Senapati and B. S. Rawal, "Adopting a deep learning split-protocol based predictive maintenance management system for industrial manufacturing operations," in Lecture Notes in Computer Science, Singapore: Springer Nature Singapore, 2023, pp. 22–39.
 94. B. Senapati, J. R. Talburt, A. Bin Naeem and V. J. R. Batthula, "Transfer Learning Based Models for Food Detection Using ResNet-50," 2023 IEEE International Conference on

- Electro Information Technology (eIT), Romeoville, IL, USA, 2023, pp. 224-229, doi: 10.1109/eIT57321.2023.10187288
95. Biswaranjan Senapati, Bharat S. Rawal, Quantum communication with RLP quantum resistant cryptography in industrial manufacturing, *Cyber Security and Applications*, Volume 1, 2023, 100019, ISSN 2772-9184, <https://doi.org/10.1016/j.csa.2023.100019>.
 96. Main Author: Biswaranjan senapati Senapati, B., Rawal, B.S. (2023). Adopting a Deep Learning Split-Protocol Based Predictive Maintenance Management System for Industrial Manufacturing Operations. In: Hsu, CH., Xu, M., Cao, H., Baghban, H., Shawkat Ali, A.B.M. (eds) *Big Data Intelligence and Computing. DataCom 2022. Lecture Notes in Computer Science*, vol 13864. Springer, Singapore. https://doi.org/10.1007/978-981-99-2233-8_2
 97. B. Bisoyi, D. Das, P. Srinivas Subbarao, and B. Das, "An evaluation on green manufacturing: It's technique, significance and rationality," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 653, no. 1, p. 012032, 2019.
 98. P. Srinivas Subbarao, "CSR and Socio-Economic Development—A case study of selected PSU's in the State of Odisha", *Journal of Critical Reviews*, Vol. 7 (13), 1407-1415, 2020.
 99. S. S. Pasumarti and S. S. Pasumarti, "Work life balance: A challenge for employees in Indian IT and ITES industry," *Rupkatha J. Interdiscip. Stud. Humanit.*, vol. 11, no. 2, pp. 1-12, 2019.
 100. P. Srinivas Subbarao, "Influence of Demographic Factors on Recruitment and Selection of Employees in IT & ITES Industry", *Journal of Advanced Research in Dynamical & Control Systems* 11 (6), 52-61, 2019.
 101. P. Srinivas Subbarao, "Accomplishment of Gandhian Globalization Is A Myth or Reality", *International Research Journal of Commerce & Behavioral Science* 4 (10), 2015.
 102. P. Srinivas Subbarao, "Bank credit to infrastructure in India-Issues, Challenges and Strategies", *International Journal of Decision Making in Management* 2 (1), 55-62, 2013.
 103. P. Srinivas Subbarao and PS Rani, "Participative Management in Post Liberalization-A Case study of Indian Jute Industry", *European Journal of Business and Management* 4 (8), 37-46, 2012.
 104. PS Subbarao, PS Rani, "Application of information Technology in Agriculture-An Indian Experience", *Global Journal of Business Management* 5 (1), 2011.
 105. V Batth, B Nayak, SS Pasumarti, "The study of financial performance of Indian public sector undertakings", *Global Journal of Finance and Management* 10 (1), 21-43, 2018.
 106. PSS CA Vijaya Batth, Bhagirathi Nayak, "Role of Independent Directors in changing business scenario in India", *International Journal of Scientific Research and Management* 4 (2), 3878-3882, 2016.
 107. S. Taneja, R. Srivastava, and N. Ravichandran, "Employees' fairness perception towards performance appraisal system: Antecedents and consequences - review of Managerial Science," SpringerLink, <https://link.springer.com/article/10.1007/s11846-023-00680-7>.
 108. S. Taneja, R. Srivastava, and N. Ravichandran, " 'diversification: Performance turnaround' (A case of sarvodaya hospitals)," *International Journal of Healthcare Management*, vol. 7, no. 3, pp. 206–213, 2014. doi:10.1179/2047971914y.0000000080
 109. S. Taneja and V. Jain, "Modelling of critical success factors of AMT implementation using TISM and Sem," *International Journal of Business Performance Management*, vol. 24, no. 1, p. 22, 2023. doi:10.1504/ijbpm.2023.127512
 110. Dawwas, M. I. (2022). The Relationship between Talent Management Practices, Organizational Justice, and Employee Engagement. *Specialusis Ugdyimas*, 1(43), 2084-2104.
 111. Dawwas, M. I. (2022). Employee perception of Talent Management Practices and Employee

- Engagement: A Multiple Mediator Model. *Specialusis Ugdymas*, 1(43), 2105-2134.
112. Dawwas, M. I. (2022). The Relationship between HRM Practices, Ethical Climate, and Turnover Intention. *Baltic Journal of Law & Politics*, 15(1), 331-351.
 113. S. S. Banait, S. S. Sane, D. D. Bage and A. R. Ugale, "Reinforcement mSVM: An Efficient Clustering and Classification Approach using reinforcement and supervised Technique," *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, Vol.35, no.1S, p.78-89. 2022.
 114. S. S. Banait, S. S. Sane and S. A. Talekar, "An efficient Clustering Technique for Big Data Mining", *International Journal of Next Generation Computing (IJNGC)*, Vol.13, no.3, pp.702-717. 2022.
 115. S. A. Talekar, S. S. Banait and M. Patil.. "Improved Q- Reinforcement Learning Based Optimal Channel Selection in CognitiveRadio Networks," *International Journal of Computer Networks & Communications (IJCNC)*, Vol.15, no.3, pp.1-14, 2023.
 116. S. S. Banait and S. S. Sane, "Novel Data Dimensionality Reduction Approach Using Static Threshold, Minimum Projection Error and Minimum Redundancy, " *Asian Journal of Organic & Medicinal Chemistry (AJOMC)*, Vol.17, no.2, pp.696-705, 2022.
 117. S. S. Banait and S. S. Sane, "Result Analysis for Instance and Feature Selection in Big Data Environment, " *International Journal for Research in Engineering Application & Management (IJREAM)*, Vol.8, no.2, pp.210-215, 2022.
 118. G. K. Bhamre and S. S. Banait, "Parallelization of Multipattern Matching on GPU, " *International Journal of Electronics, Communication & Soft Computing Science and Engineering*, Vol.3, no.3, pp.24-28, 2014.
 119. Gupta, I.K., Choubey, A. and Choubey, S., 2022. Mayfly optimization with deep learning enabled retinal fundus image classification model. *Computers and Electrical Engineering*, 102, p.108176.
 120. Gupta, I.K., Choubey, A. and Choubey, S., 2022. Artificial intelligence with optimal deep learning enabled automated retinal fundus image classification model. *Expert Systems*, 39(10), p.e13028.
 121. Mishra, A.K., Gupta, I.K., Diwan, T.D. and Srivastava, S., 2023. Cervical precancerous lesion classification using quantum invasive weed optimization with deep learning on biomedical pap smear images. *Expert Systems*, p.e13308.
 122. Gupta, I.K., Mishra, A.K., Diwan, T.D. and Srivastava, S., 2023. Unequal clustering scheme for hotspot mitigation in IoT-enabled wireless sensor networks based on fire hawk optimization. *Computers and Electrical Engineering*, 107, p.108615.
 123. Mishra, S., & Kumar Samal, S. (2023). Mitigation of transmission line jamming by price intrusion technique in competitive electricity market. *International Journal of Ambient Energy*, 44(1), 171-176.
 124. B. Subudhi, S. K. Sarnal and S. Ghosh, "A new low-frequency oscillatory modes estimation using TLS-ESPRIT and least mean squares sign-data (LMSSD) adaptive filtering," *TENCON 2017 - 2017 IEEE Region 10 Conference*, Penang, Malaysia, 2017, pp. 751-756, doi: 10.1109/TENCON.2017.8227960.
 125. P. K. Sahu, S. Maity, R. K. Mahakhuda and S. K. Samal, "A fixed switching frequency sliding mode control for single-phase voltage source inverter," *2014 International Conference on Circuits, Power and Computing Technologies [ICCPCT-2014]*, Nagercoil, India, 2014, pp. 1006-1010, doi: 10.1109/ICCPCT.2014.7054989.
 126. Mishra, S., & Samal, S. K. (2023). Impact of electrical power congestion and diverse transmission congestion issues in the electricity sector. *Energy Systems*, 1-13.

127. J. Krishna Das, A. Das and J. Rosak-Szyrocka, "A Hybrid Deep Learning Technique for Sentiment Analysis in E-Learning Platform with Natural Language Processing," 2022 International Conference on Software, Telecommunications and Computer Networks (SoftCOM), Split, Croatia, 2022, pp. 1-7, doi: 10.23919/SoftCOM55329.2022.9911232.
128. Das, A., Choudhury, B., Sarma, S.K. (2023). POS Tagging for the Primitive Languages of the World and Introducing a New Set of Universal POS Tagging for Sanskrit. In: Fong, S., Dey, N., Joshi, A. (eds) ICT Analysis and Applications. Lecture Notes in Networks and Systems, vol 517. Springer, Singapore.
129. C. Goswami, A. Das, K. I. Ogaili, V. K. Verma, V. Singh and D. K. Sharma, "Device to Device Communication in 5G Network using Device-Centric Resource Allocation Algorithm," 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India, 2022, pp. 467-472, doi: 10.1109/ICIRCA54612.2022.9985502.
130. A. Das and M. A. Akour, "Intelligent Recommendation System for E-Learning using Membership Optimized Fuzzy Logic Classifier," 2020 IEEE Pune Section International Conference (PuneCon), Pune, India, 2020, pp. 1-10, doi: 10.1109/PuneCon50868.2020.9362416.
131. A. Das and S. K. Sarma. Article: A Study on Energy Consumption in WLAN and Improving its Efficiency through an NBE-Algorithm. International Journal of Computer Applications 73(2):1-4, July 2013.
132. Choudhury, B., Das, A. (2020). Incepting on Language Structures with Phonological and Corpus Analysis Using Multilingual Computing. In: Saha, A., Kar, N., Deb, S. (eds) Advances in Computational Intelligence, Security and Internet of Things. ICCISIoT 2019. Communications in Computer and Information Science, vol 1192. Springer, Singapore.
133. D. K. Sharma, B. Singh, M. Raja, R. Regin, and S. S. Rajest, "An Efficient Python Approach for Simulation of Poisson Distribution," in 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), 2021.
134. D. K. Sharma, B. Singh, R. Regin, R. Steffi, and M. K. Chakravarthi, "Efficient Classification for Neural Machines Interpretations based on Mathematical models," in 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), 2021.
135. D. K. Sharma, N. A. Jalil, R. Regin, S. S. Rajest, R. K. Tummala, and Thangadurai, "Predicting network congestion with machine learning," in 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021
136. Das, A. (2022). Designing green IoT communication by adaptive spotted hyena tunicate swarm optimization-based cluster head selection. Transactions on Emerging Telecommunications Technologies, 33.
137. Das, A. Adaptive UNet-based Lung Segmentation and Ensemble Learning with CNN-based Deep Features for Automated COVID-19 Diagnosis. Multimed Tools Appl 81, 5407–5441 (2022).
138. Das, A., & Sarma, S.K. (2014). Energy Efficiency in IEEE 802.11 standard WLAN through MWTPP. IOSR Journal of Computer Engineering, 16, 42-46.
139. Das, A., Ali Akour, M., Bahatab, A., Zin, Q. (2022). Energy-Efficient Wireless Communications Using EEA and EEAS with Energy Harvesting Schemes. In: Patgiri, R., Bandyopadhyay, S., Borah, M.D., Emilia Balas, V. (eds) Edge Analytics. Lecture Notes in Electrical Engineering, vol 869. Springer, Singapore.
140. Das, A., Sarma, S.K., Deka, S. (2021). Data Security with DNA Cryptography. In: Ao, SI., Gelman, L., Kim, H.K. (eds) Transactions on Engineering Technologies. Springer, Singapore.
141. Das. A. Das. S. A. U. Islam. (2018). Load Balancing and Congestion Control using Congestion

- Aware Multipath Routing Protocol (CAMRP) in Wireless Networks. *International Journal on Future Revolution in Computer Science & Communication Engineering*, 4(2), 193–198.
142. F. Arslan, B. Singh, D. K. Sharma, R. Regin, R. Steffi, and S. Suman Rajest, "Optimization technique approach to resolve food sustainability problems," in 2021 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), 2021.
 143. G. A. Ogunmola, B. Singh, D. K. Sharma, R. Regin, S. S. Rajest, and N. Singh, "Involvement of distance measure in assessing and resolving efficiency environmental obstacles," in 2021 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), 2021.
 144. K. Sharma, B. Singh, E. Herman, R. Regine, S. S. Rajest, and V. P. Mishra, "Maximum information measure policies in reinforcement learning with deep energy-based model," in 2021 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), 2021.
 145. M. A. Akour and A. Das, "Developing a Virtual Smart Total Learning Environment for Future Teaching-Learning System," 2020 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE), Takamatsu, Japan, 2020, pp. 576-579.
 146. S Silvia Priscila, M Hemalatha, " Diagnosis of heart disease with particle bee-neural network" *Biomedical Research, Special Issue*, pp. S40-S46, 2018.
 147. S Silvia Priscila, M Hemalatha, " Heart Disease Prediction Using Integer-Coded Genetic Algorithm (ICGA) Based Particle Clonal Neural Network (ICGA-PCNN)", *Bonfring International Journal of Industrial Engineering and Management Science* 8 (2), 15-19, 2018.
 148. SS Priscila, M Hemalatha, "Improving the performance of entropy ensembles of neural networks (EENNS) on classification of heart disease prediction", *Int J Pure Appl Math* 117 (7), 371-386, 2017.
 149. Suklabaidya, M., Das, A., & Das, B. (2018). A cryptography model using hybrid encryption and decryption techniques. *International Journal of Computational Intelligence & IoT*, 2(4).
 150. Udofia C. A. (2018). An excavation of Jean Baudrillard's Theory of Post modernism. *International Journal of Science and Research*. Vol.7, No.12.651-653.